

What is claimed is:

1. An optical module, comprising:  
a first substrate;  
an electronic device provided on said first substrate;  
an optical device electrically connected to said electronic device;  
a fiber assembly optically coupled to said optical device; and  
a housing for securing said fiber assembly, said housing including a cavity for enclosing said electronic device and said optical device and an opening leading to said cavity, wherein said first substrate is provided in said opening.
2. The optical module according to claim 1, wherein  
said housing includes a base and a cover, said base having a mounting region for mounting said optical device, said cover having said cavity, said base and said cover securing said fiber assembly therebetween.
3. The optical module according to claim 2, wherein  
said cover has a first groove having a pair of surfaces for securing said fiber assembly.
4. The optical module according to claim 3, wherein  
said fiber assembly includes an optical fiber and a ferrule for protecting said optical fiber,  
and  
said first groove includes a pair of grooves, one of grooves securing said ferrule and the other of grooves securing said optical fiber.
5. The optical module according to claim 2, wherein  
said base has a second groove having a pair of surfaces for securing said fiber assembly.
6. The optical module according to claim 5, wherein  
said fiber assembly includes an optical fiber and a ferrule for protecting said optical fiber, and

said first groove includes a pair of grooves, one of grooves securing said ferrule and the other of grooves securing said optical fiber.

7. The optical module according to claim 5, wherein  
said optical device is a light-receiving device and  
said base has a third groove extending from said second groove and having a light-reflecting surface,  
said light-receiving device receiving light emitted from said fiber assembly and reflected by said light-reflecting surface of said third groove.

8. The optical module according to claim 1, wherein said optical module further comprises a bench for mounting said optical device, and wherein said housing includes a base and a cover, said base having said opening and a receiving portion for receiving said bench, said cover having said cavity, said bench and said cover securing said fiber assembly therebetween.

9. An optical communication apparatus, comprising:  
an optical module including;  
a first substrate;  
an electronic device mounted on said first substrate;  
an optical device connected to said electronic device;  
a fiber assembly optically coupled to said optical device; and  
a housing for securing said fiber assembly, said housing including a cavity for enclosing said electronic device and said optical device, and an opening leading to said cavity and providing said first substrate therein,  
a second substrate for installing other electronic devices; and  
a wiring member for connecting said first substrate of said optical module to said second substrate,  
wherein said wiring member is resilient.

10. The optical communication apparatus according to claim 9, wherein said wiring member is a flexible printed board.

11. The optical communication apparatus according to claim 9, wherein said optical device is a light-emitting device, said electronic device provided in said optical module is a driver for driving said light-emitting device, and said other electronic devices constitutes a signal processing circuit for generating a signal provided to said driver.

12. The optical communication apparatus according to claim 9, wherein said optical device is a light-receiving device, said electronic device provided in said optical module is a pre-amplifier for amplifying a signal output from said light-receiving device, and said other electronic devices constitutes a signal processing circuit for processing a signal output from said preamplifier.

13. The optical communication apparatus according to claim 9, further includes a resin body for enclosing said optical module, said wiring member, said second substrate.

14. An optical transceiver, comprising:  
a first optical communication apparatus comprising:  
an optical module including;  
a first substrate;  
an electronic device mounted on said first substrate;  
an optical device connected to said electronic device;  
a fiber assembly optically coupled to said optical device; and  
a housing for securing said fiber assembly, said housing including a cavity for enclosing said electronic device and said optical device, and an opening leading to said cavity and providing said first substrate therein,  
a second substrate for installing other electronic devices; and  
a wiring member for connecting said first substrate of said optical module to said second substrate,

wherein: said wiring member is resilient, said optical device is a light-emitting device, said electronic device provided in said optical module is a driver for driving said light-emitting device, and said other electronic devices constitutes a signal processing circuit for generating a signal provided to said driver;

a second optical communication apparatus according to claim 12; and  
a housing for enclosing said first optical communication apparatus and said second optical communication apparatus.